

**To:** LaPoma, Jennifer[LaPoma.Jennifer@epa.gov]  
**Cc:** Hoppe, Michael[Hoppe.Michael@epa.gov]  
**From:** John Rolfe  
**Sent:** Tue 5/6/2014 9:32:47 PM  
**Subject:** RE: FW: Survey Submittal Packages

Jennifer:

Feel free to call me with any questions or concerns.

**John A. Rolfe**  
de maximis, inc.  
186 Center Street, Suite 290  
Clinton, NJ 08809  
e-mail: jrolfe@demaximis.com  
Phone: (908) 735-9315  
Cell: (908) 347-0060  
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>>> "LaPoma, Jennifer" <LaPoma.Jennifer@epa.gov> 5/6/2014 5:09 PM >>>

John,

Thank you for providing these surveys. I still need a bit more time with them. I'll reach out to you tomorrow morning-afternoon with a response.

Thanks,

Jen

**From:** John Rolfe [mailto:jrolfe@demaximis.com]  
**Sent:** Monday, May 05, 2014 10:51 AM  
**To:** TsangC@cdmsmith.com; Hoppe, Michael; LaPoma, Jennifer; Jason Magalen  
**Cc:** Ben Hammond; Scott Kirchner; Gary.Foster@CH2M.com; George.Hicks@CH2M.com; Jim Brinkman; Willard Potter; Robert Law  
**Subject:** Fwd: FW: Survey Submittal Packages

Jennifer, Mike, Frank, Jason:

Please find the attached e-mail and PDF surveys for the north and south areas.

Please feel free to contact me if you wish to discuss the surveys further.

John A. Rolfe  
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>>> <[Gary.Foster@CH2M.com](mailto:Gary.Foster@CH2M.com)> 5/5/2014 10:34 AM >>>

John – Attached is the survey of the armor stone layer as prepared by GLDD. The following table verifies that the minimum thicknesses have been met – reference Specification 02 32 00, Paragraph 3.05 (Last table: Cap Layer Thickness Requirements). The one criteria that is slightly out of tolerance is the Maximum Average Thickness which is 25.68” compared to the specified 24”. However the overall elevation differential from the pre dredge is only 1.2”. With time we believe that settlement will occur lowering this slightly elevated surface and the overall impact to the river is considered minimal. Adjustments to the elevation are difficult considering the size of the armor stone (6” to 8” dimensions).

Should you or the EPA have any questions please contact me.

Sincerely, Gary

North (ft)	South (ft)	Combined (ft)
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Post Sand/AG to Post Rock	1.28	1.25	1.27
Pre Dredge to Post Rock	0.09	0.10	0.10
Post Dredge to Post Rock	2.15	2.13	2.14

**From:** [TDBriggs@gldd.com](mailto:TDBriggs@gldd.com) [mailto:[TDBriggs@gldd.com](mailto:TDBriggs@gldd.com)]

**Sent:** Sunday, May 04, 2014 8:44 PM

**To:** Foster, Gary/ATL; Hicks, George/CHC; Brinkman, James/BOS

**Cc:** [THCnudde@terra-sea.com](mailto:THCnudde@terra-sea.com); [JMiller@gldd.com](mailto:JMiller@gldd.com); [MPatria@gldd.com](mailto:MPatria@gldd.com); [LJShores@gldd.com](mailto:LJShores@gldd.com)

**Subject:** Survey Submittal Packages

**Importance:** High

Gary,

Attached are the final bathymetric surveys of the North and South Areas.

Tim Briggs